

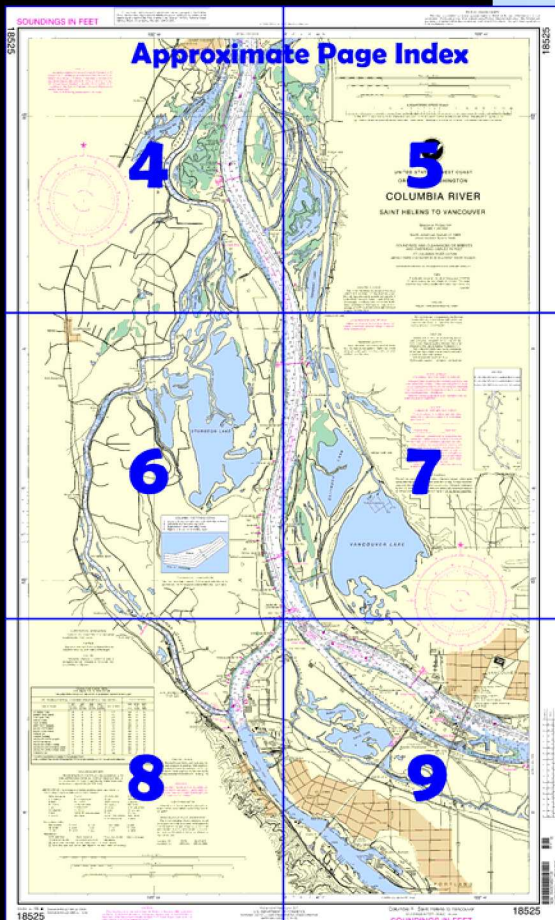
BookletChartTM

Columbia River – Saint Helens to Vancouver (NOAA Chart 18525)

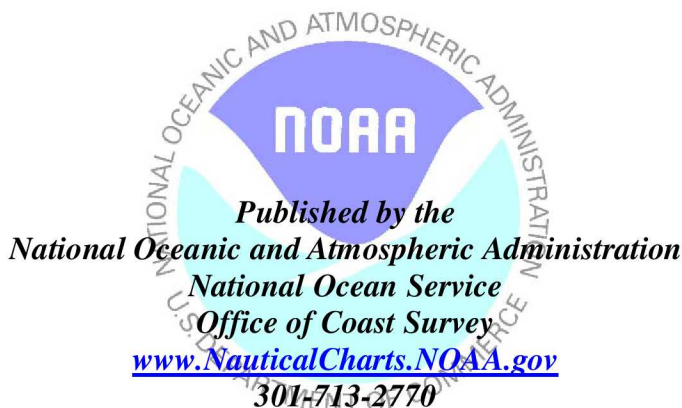


A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ✓ Complete, reduced scale nautical chart
- ✓ Print at home for free
- ✓ Convenient size
- ✓ Up to date with all Notices to Mariners
- ✓ United States Coast Pilot excerpts
- ✓ Compiled by NOAA, the nation's chartmaker.



Home Edition (not for sale)



What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

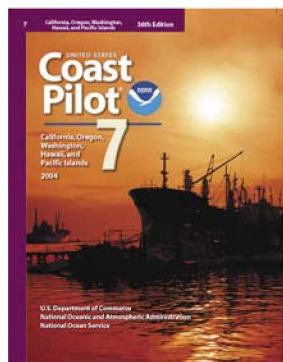
This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 7, Chapter 10 excerpts]

(206) **Multnomah Channel** is a 19-mile waterway separated from the Columbia River near Saint Helens and from the Willamette River near Portland by **Sauvie Island**. A power cable about midway through the channel has a clearance of 100 feet. A fixed highway bridge, near the S end, has a clearance of 78 feet. There are several full service marinas and yacht clubs along the channel. Covered berths, electricity, gasoline, diesel fuel, water, ice, marine supplies, launching ramps,

and pump-out stations are available. Hull, engine, and electronic repairs can be made and an 80-ton marine lift and 60-ton marine railway are available. There are several houseboats along the channel, and most of the channel S of **Coon Island**, is designated a **no wake zone**.

(207) **Warrior Rock**, the point on the E side of **Warrior Point** at the N end of Sauvie Island, is marked by a light. In thick fog vessels seldom attempt to pass the light; they anchor either above or below the point until the weather clears.

Local magnetic disturbance

(208) Differences of as much as 6° from the normal variation have been reported between Warrior Rock and Duck Club Light 6 off **Duck Club**, 1.5 miles S.

(209) **Lake River**, the outlet for **Vancouver Lake**, flows N for 9.5 miles to its junction with Columbia River at the N end of **Bachelor Island**, Mile 76 (88). The reported controlling depth was 6 feet in 1973 to the small-craft harbor at **Ridgefield**, 2.5 miles above the mouth. A marina is at Ridgefield; berths, water, ice, a launching ramp, and some marine supplies are available. The town of Ridgefield operates a public small-craft dock and launching ramp just S of the marina. Wet winter boat storage is at the marina.

(210) A marina, in the channel behind the elongated island W of Shillapoo Lake, has berths, with electricity, gasoline, water, ice, a launching ramp, and marine supplies. A 2½-ton hoist is available for launching small craft. Reported depths of 5 feet can be carried through the channel and to the river N of the marina, however, the channel S of the marina is closed by shoals.

SOUNDINGS IN FEET

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

Formerly C&GS 6° 54, 1st Ed., May 195

18525

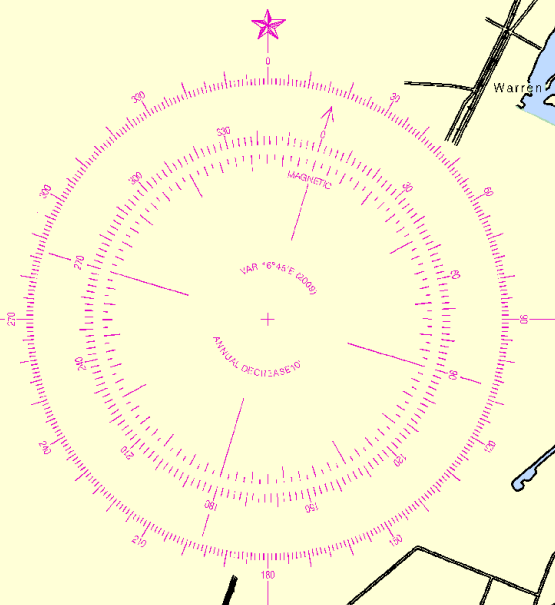
122° 50'

JOINS CHART 18524

46° 45'

NOTE A
 Navigational regulations are published in Chapter 2, U.S. Coast Pilot 7. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 13th Coast Guard District in Seattle, Washington or at the Office of the District Engineer, Corps of Engineers in Seattle, Washington.
 Refer to charted regulation section numbers.

45° 50'



Joins page 6

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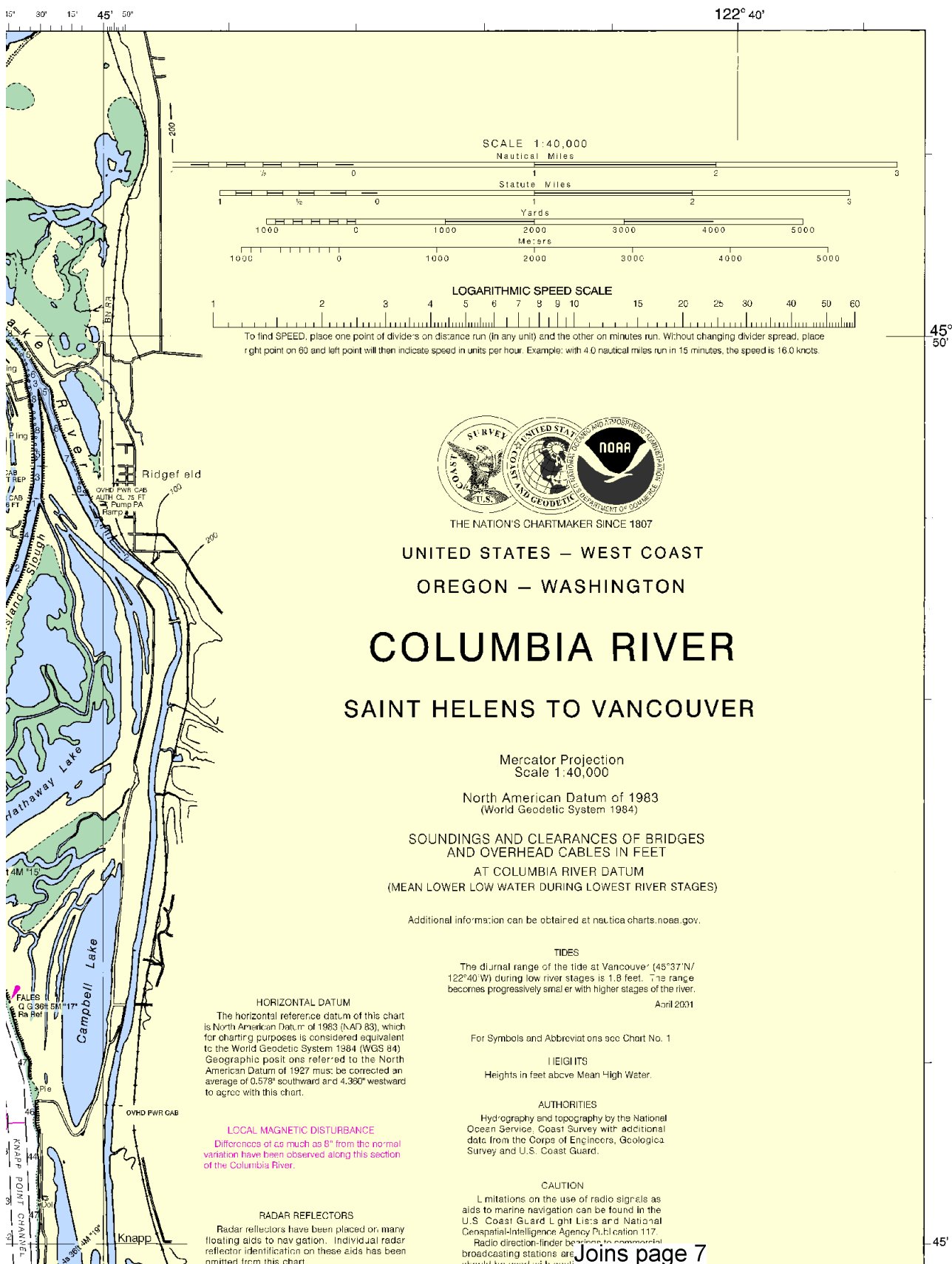
Printed at reduced scale.

SCALE 1:40,000
 Nautical Miles

See Note on page 5.



This chart is available in a version updated weekly by NOAA for Notices to Mariners and critical corrections. Charts are printed when ordered using Print-on-Demand technology. New Editions are available 5-8 weeks before their release as traditional NOAA charts. Ask your chart agent about Print-on-Demand charts.



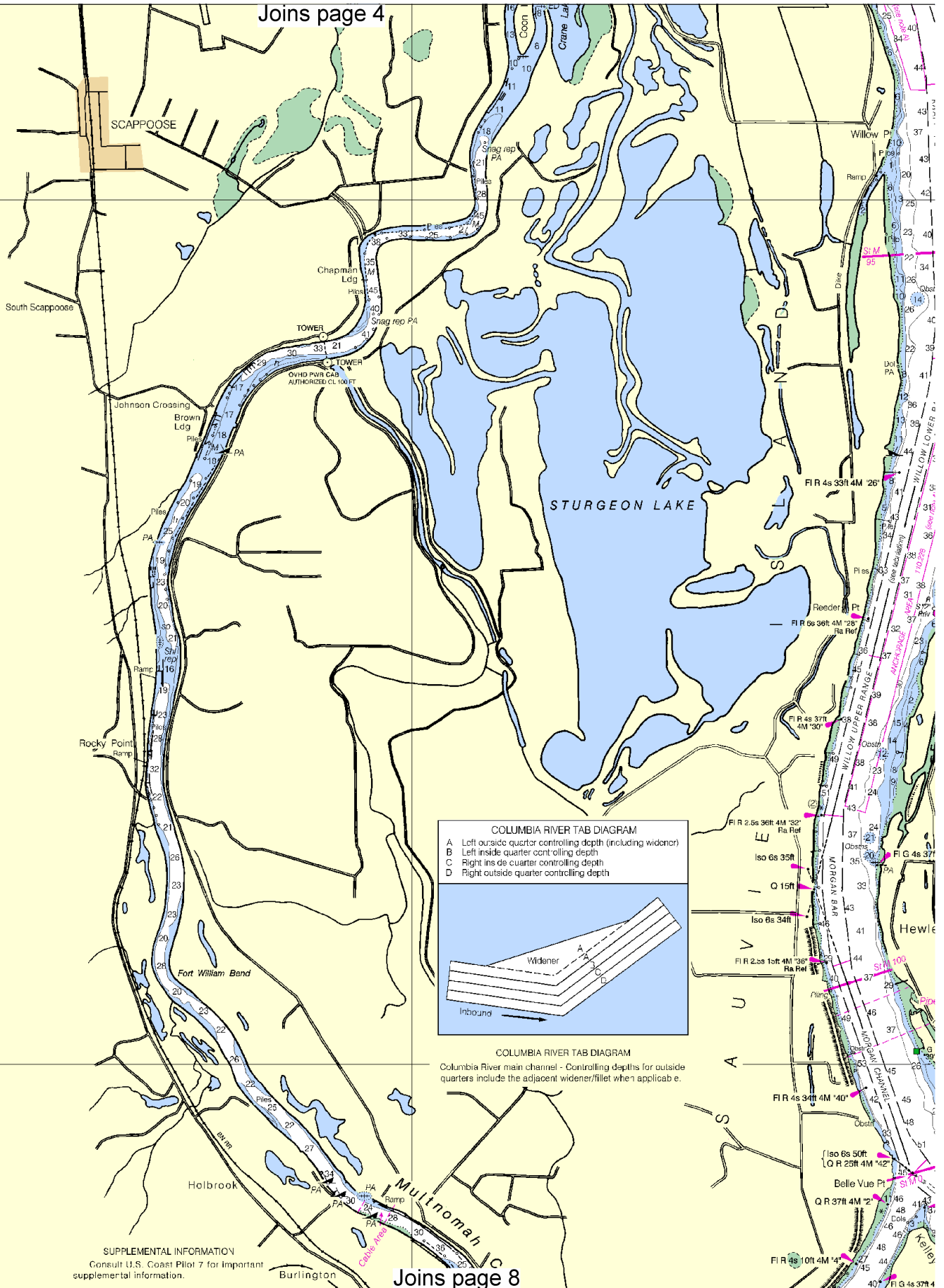
18525

$$45^{\circ} 50'$$

L-45'

This BookletChart was reduced to 70% of the original chart scale. The new scale is 1:57143. Barscales have also been reduced and are accurate when used to measure distances in this BookletChart.

Joins page 4



Joins page 8

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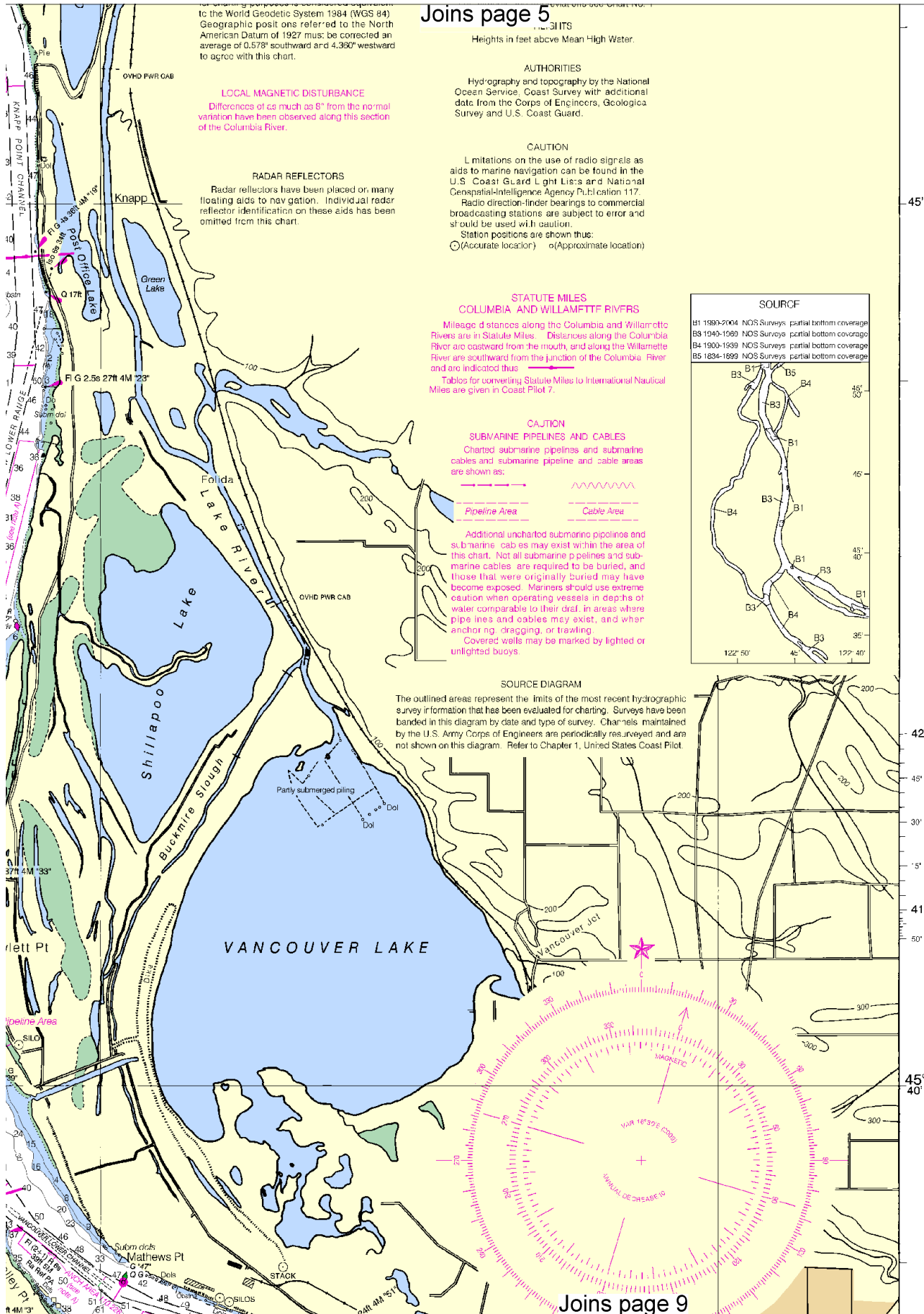


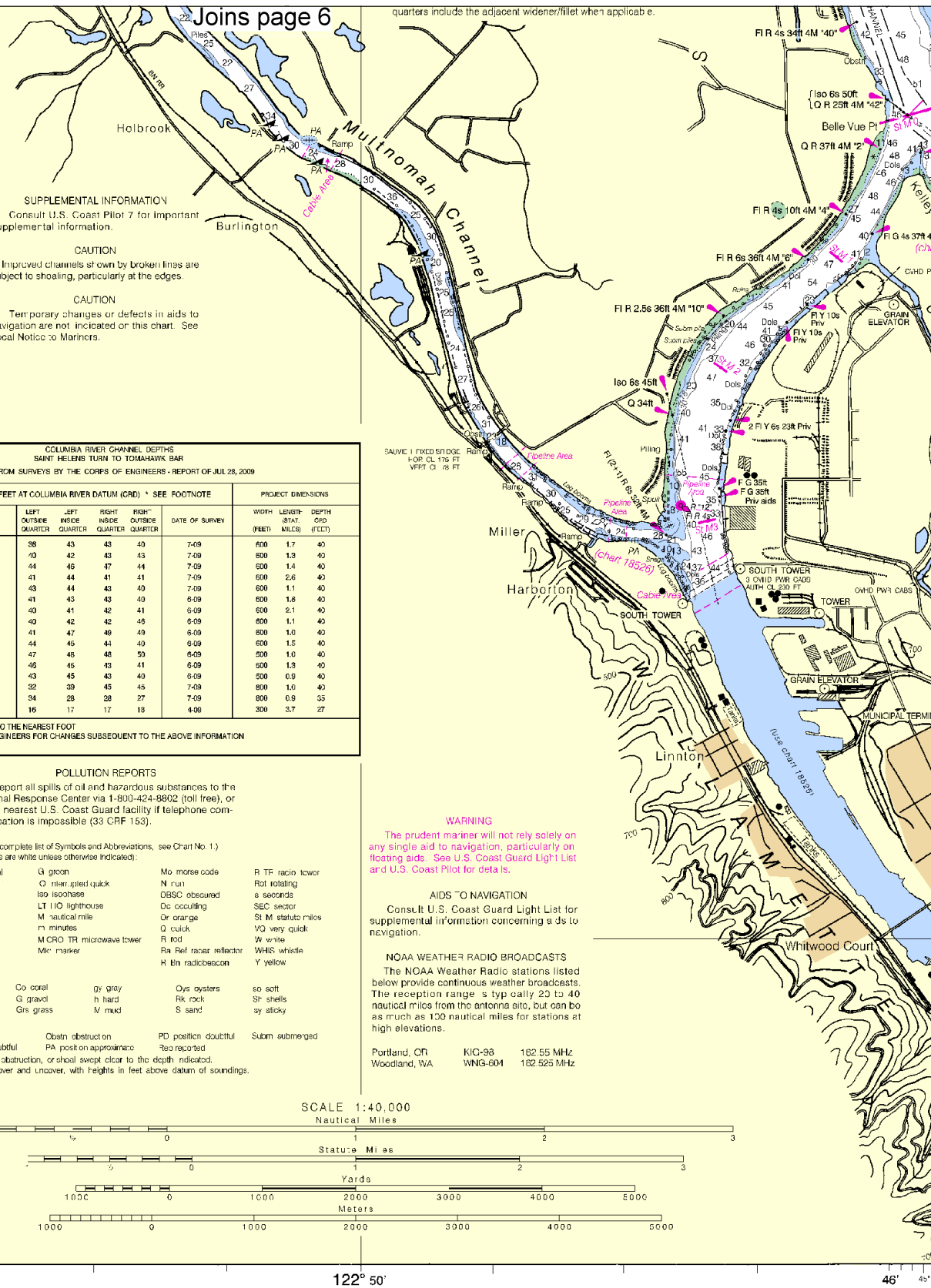
Printed at reduced scale.

SCALE 1:40,000
Nautical Miles

See Note on page 5.







SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 7 for important supplemental information.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 28, 2009								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	38	43	43	40	7-09	600	1.7	40
WARRIOR ROCK RANGE	10	42	43	43	7-09	600	1.3	40
DUCK CLUB TURN	44	46	47	44	7-09	500	1.4	40
HENRICI RANGE	41	44	41	41	7-09	600	2.6	40
FALES CHANNEL	43	44	43	40	7-09	600	1.1	40
KNAPP POINT CHANNEL	41	43	43	40	6-09	600	1.6	40
WILLOW LOWER RANGE	40	41	42	41	6-09	600	2.1	40
WILLOW UPPER RANGE	40	42	42	45	6-09	600	1.1	40
MORGAN BAR	41	47	46	49	6-09	600	1.0	40
MORGAN CHANNEL	44	45	44	40	6-09	600	1.5	40
VANCOUVER LOWER CHANNEL	47	48	48	50	6-09	500	1.0	40
VANCOUVER RANGE	46	45	43	41	6-09	500	1.3	40
VANCOUVER UPPER CHANNEL	43	45	43	40	6-09	500	0.9	40
VANCOUVER LOWER TURN BASIN	32	39	45	45	7-09	800	1.0	40
VANCOUVER UPPER TURN BASIN	34	28	28	27	7-09	800	0.9	35
TOMAHAWK BAR	16	17	17	18	4-06	300	3.7	27

* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.)
Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G goos	Mo moose code	R TF radio tower
A alternating	Q river gill quick	N run	Rot rotating
B back	iso isobase	OSOC obscured	s seconds
Ba beacon	LT lighthouse	OC coupling	SEC sector
C can	M nautical mile	Or orange	St M statute miles
D/A diaphone	m minutes	Q quick	VQ very quick
F fixed	M CRO TR microwave tower	R red	W white
F flashing	Mk marker	Ra Ref radar reflector	WHIS whistle
		H bin radiobeacon	Y yellow

Bottom characteristics:
Bldrs boulders Co coral Gy gray Oys oysters so soft
bk broken G gravel h hard Rk rock Sh shells
Cy clay Grs grass M mud S sand sy sticky

Miscellaneous:
AUTH authorized Obstr obstruction PD position doubtful Subm submerged
ED existence doubtful PA posit on approximate Rep reported
(1) Wreck, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of soundings.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Portland, OR	KIG-98	162.55 MHz
Woodland, WA	WNG-604	162.525 MHz

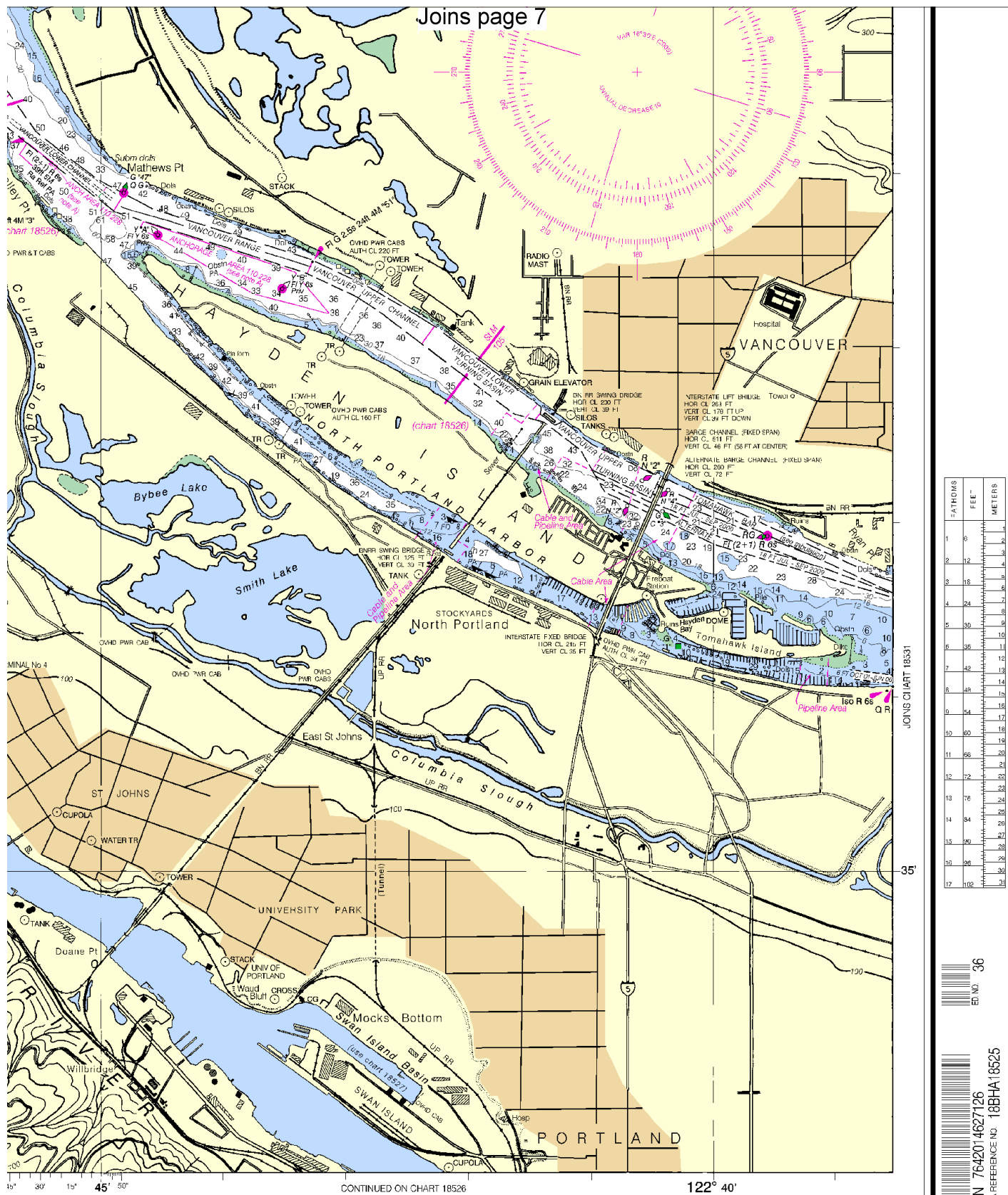
36th Ed., Apr./09 ■ Corrected through NM Apr. 11/09
Corrected through LNM Apr. 07/09

18525

CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

Published at Washington, D.
U.S. DEPARTMENT OF COM.
NATIONAL OCEANIC AND ATMOSPHERIC
NATIONAL OCEAN SERVICE
COAST SURVEY

Joins page 7



D.C.
MERCE
C ADMINISTRATION
ICE

Columbia R., Saint Helens to Vancouver
SOUNDINGS IN FEET - SCALE 1:40,000

SOUNDINGS IN FEET

18525

EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

1. Make sure radio is on.
2. Select Channel 16.
3. Press/Hold the transmit button.
4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
5. Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
6. Release transmit button.
7. Wait for 10 seconds – If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS !!

Mobile Phones – Call 911 for water rescue.

Coast Guard Search & Rescue – 206-220-7001

Coast Guard Portland – 503-240-9301

Commercial Vessel Assistance – 1-800-367-8222

NOAA Weather Radio – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.



NOAA CHARTING PUBLICATIONS

Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S., including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

Official Print-on-Demand Nautical Charts – These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at www.OceanGrafix.com.

Official Electronic Navigational Charts (NOAA ENC[®]) – ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official Raster Navigational Charts (NOAA RNC[™]) – RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official BookletCharts[™] – BookletCharts[™] are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketCharts[™] – PocketCharts[™] are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot[®] – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

Official On-Line Chart Viewer – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is www.NauticalCharts.gov/viewer.

Official Nautical Chart Catalogs – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to <http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm>.

Internet Sites: www.NauticalCharts.NOAA.gov, www.NOAA.gov, www.TidesandCurrents.NOAA.gov, www.NOS.NOAA.gov.